

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-6 (Canceled).

Claim 7 (Currently Amended): A molded article, obtained by molding a ~~polyolefin-based~~ resin composition into a desired shape and thereafter exposing the same to an active energy ray to carry out a crosslinking reaction, the ~~polyolefin-based~~ resin composition ~~containing~~ comprising an addition ~~polymerization-based~~ polymerization block copolymer (I) and a ~~polyolefin-based~~ polyolefin resin (II), wherein:

the addition ~~polymerization-based~~ polymerization block copolymer (I) is selected from the group consisting of block copolymers comprising at least one polymer block A and at least one polymer block B, and the hydrogenated products thereof;

the polymer block A comprising an aromatic vinyl compound unit ~~containing~~ comprising at least 1% by mass of an alkylstyrene-derived structural unit (a) in which at least one alkyl group having 1 to 8 carbon atoms is bound to a benzene ring; the polymer block B comprising a conjugated diene compound unit; and

at least the moiety of polymer block A can undergo crosslinking upon exposure to an active energy ray.

Claim 8 (Currently Amended): The molded article according to claim 7, wherein the alkylstyrene-derived structural unit (a) in which the at least one alkyl group having 1 to 8 carbon atoms that is bound to a benzene ring is a p-methylstyrene unit.

Claim 9 (Previously Presented): The molded article according to claim 7, wherein the active energy ray is an electron beam.

Claim 10 (Previously Presented): The molded article according to claim 8, wherein the active energy ray is an electron beam.

Claim 11 (Currently Amended): The molded article according to claim 7, wherein the ~~polyolefin-based~~ resin composition further ~~contains~~ comprises a photopolymerization initiator.

Claim 12 (Currently Amended): The molded article according to claim 8, wherein the ~~polyolefin-based~~ resin composition further ~~contains~~ comprises a photopolymerization initiator.

Claim 13 (Currently Amended): The molded article according to claim 9, wherein the ~~polyolefin-based~~ resin composition further ~~contains~~ comprises a photopolymerization initiator.

Claim 14 (Currently Amended): The molded article according to claim 10, wherein the ~~polyolefin-based~~ resin composition further ~~contains~~ comprises a photopolymerization initiator.

Claims 15-22 (Canceled).

Claim 23 (New): The molded article according to claim 7, wherein the polymer block A additionally comprises an aromatic vinyl compound unit comprising at least one of styrene and  $\alpha$ -methylstyrene.

Claim 24 (New): The molded article according to claim 7, wherein the polymer block A comprises at least 40% by mass of said alkylstyrene-derived structural unit (a).

Claim 25 (New): The molded article according to claim 7, wherein the polymer block A is present in said addition polymerization block copolymer (I) in an amount of 10 to 40% by mass.

Claim 26 (New): The molded article according to claim 7, wherein the conjugated diene compound of polymer block B comprises at least one butadiene and isoprene.

Claim 27 (New): The molded article according to claim 7, wherein the addition polymerization block copolymer (I) has a number-average molecular weight of from 40,000 to 300,000.

Claim 28 (New): The molded article according to claim 7, wherein the polyolefin resin (II) comprises high density polyethylene, middle density polyethylene, low density polyethylene, polypropylene, ethylene-propylene copolymer, or ethylene- $\alpha$ -olefin copolymer.

Claim 29 (New): The molded article according to claim 7, wherein the addition polymerization block copolymer (I) and the polyolefin resin (II) are present in a mass ratio of 80/20 to 20/80.

Claim 30 (New): The molded article according to claim 7, wherein the polyolefin resin (II) is selected from the group consisting of homopolymers of an olefin, copolymers of

Application No. 10/531,990  
Reply to Office Action of April 17, 2008

more than one olefin, copolymers of one or more olefins and other monomers, and resins  
obtained by acid-modifying any of said copolymers.